

September 2020

Chemical Manufacturing

A Key Supplier to Georgia's Robust Manufacturing Industry

Georgia Power Community & Economic Development

75 5th Street, NW
Atlanta, Georgia 30308
selectgeorgia.com

Why Georgia for Chemical Manufacturing

Why Georgia for Chemicals:

- Strong manufacturing and construction industries
- Well-developed R&D market
- Highly-skilled workers
- Renowned workforce training program
- Excellent accessibility to market
- Business-friendly environment

Manus Bio Invests in Georgia's Bioeconomy

"We look forward to manufacturing our ingredients in Georgia and contributing to the State's bioeconomy. In particular, we are impressed by the talented employees and are appreciative of the strong support we have received from the local and state government."

Dr. Ajikumar Parayil, Founder and CEO, Manus Bio Source: "Manus Bio Inc. to Open Manufacturing Facility in Augusta," Governor's Office Press Release, 7.3.2018

Where Georgia Leads:



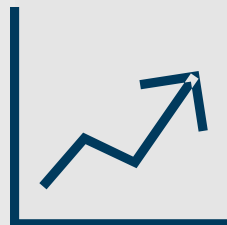
792
Chemical
manufacturing
locations



23,169
Chemical
manufacturing
jobs



#2
Largest
manufacturing
GRP (\$7.8B)



#1 state
Chemical
manufacturing job
growth (numeric)

Industry Snapshot

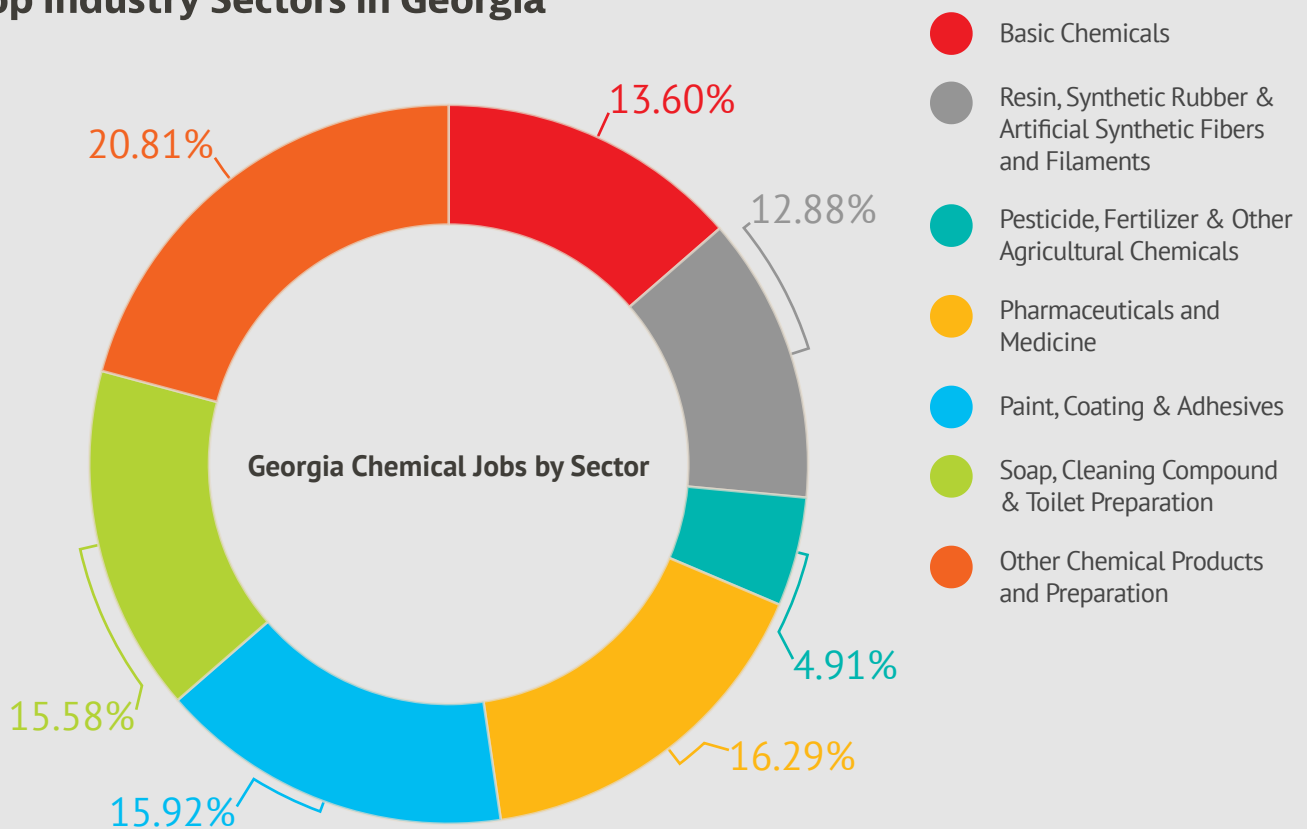
Despite the chemical manufacturing industry's recent resurgence at the national level, this industry has long been a constant in Georgia's economy. Chemical manufacturers seeking to expand or locate in Georgia can rely on the state's robust and growing manufacturing and construction industries to drive demand for their products.

Additionally, the varied composition of the state's chemical manufacturing industry gives existing and potential facilities ample room to grow.

Top sectors include:

- Other Chemical Products and Preparation
- Soap, Cleaning Compound & Toilet Preparation
- Basic Chemicals

Top Industry Sectors in Georgia



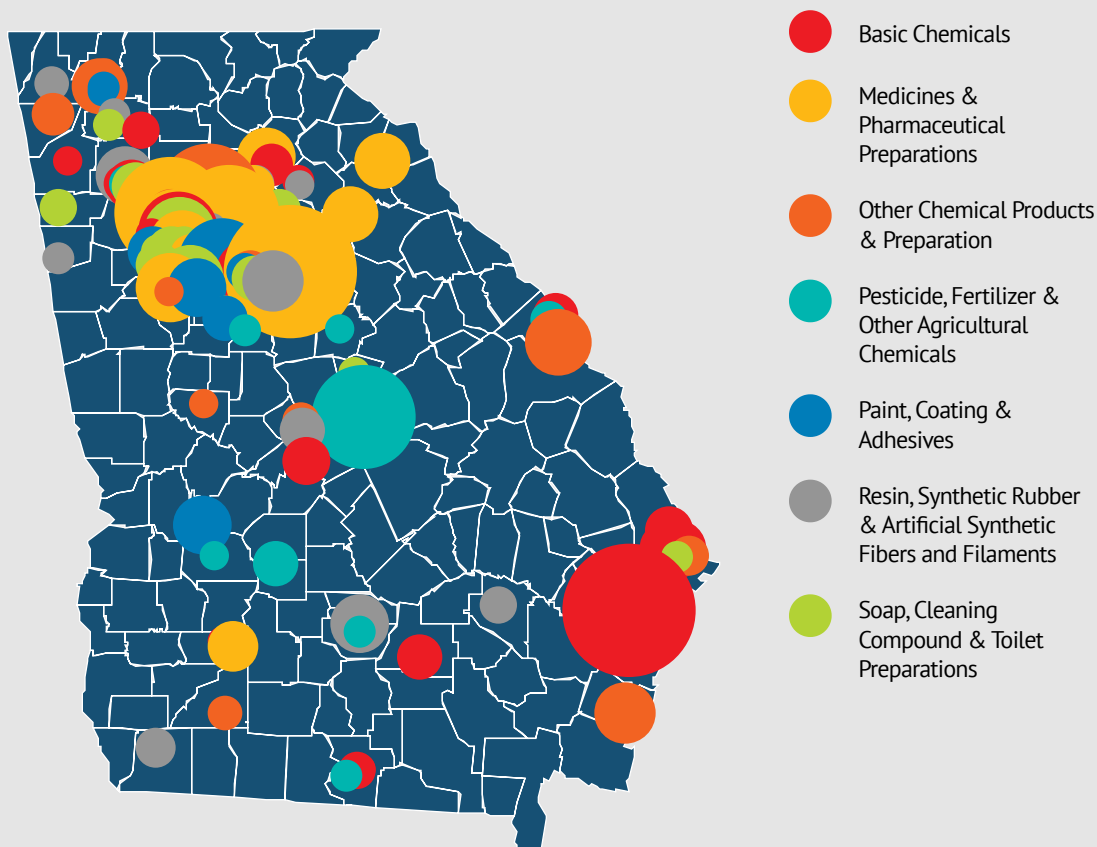
Source: EMSI 3rd Q 2020

Top Employers

Georgia's chemical manufacturers produce diverse products - from pharmaceuticals and inorganic compounds to paints and fertilizers.

- Basic Chemicals: SNF Inc. (1,000), Huber Engineered Materials (517), Kemira (363), Airgas USA (300)
- Resin, Synthetic Rubber & Artificial Synthetic Fibers and Filaments: FiberVisions Corp. (220), Aquafil USA Inc. (200)
- Paint, Coating & Adhesives: Plaid Enterprises (530), Sherwin-Williams (330), TCI Powder Coatings (200)
- Pesticide, Fertilizer & Other Agricultural Chemicals: BASF (770)
- Pharmaceuticals & Medicine: Boehringer-Ingelheim (1,338), Takeda (1,000)
- Soap, Cleaning Component & Toilet Preparation: Zep Inc. (430), Clorox (250)

Chemical Manufacturers Around the State



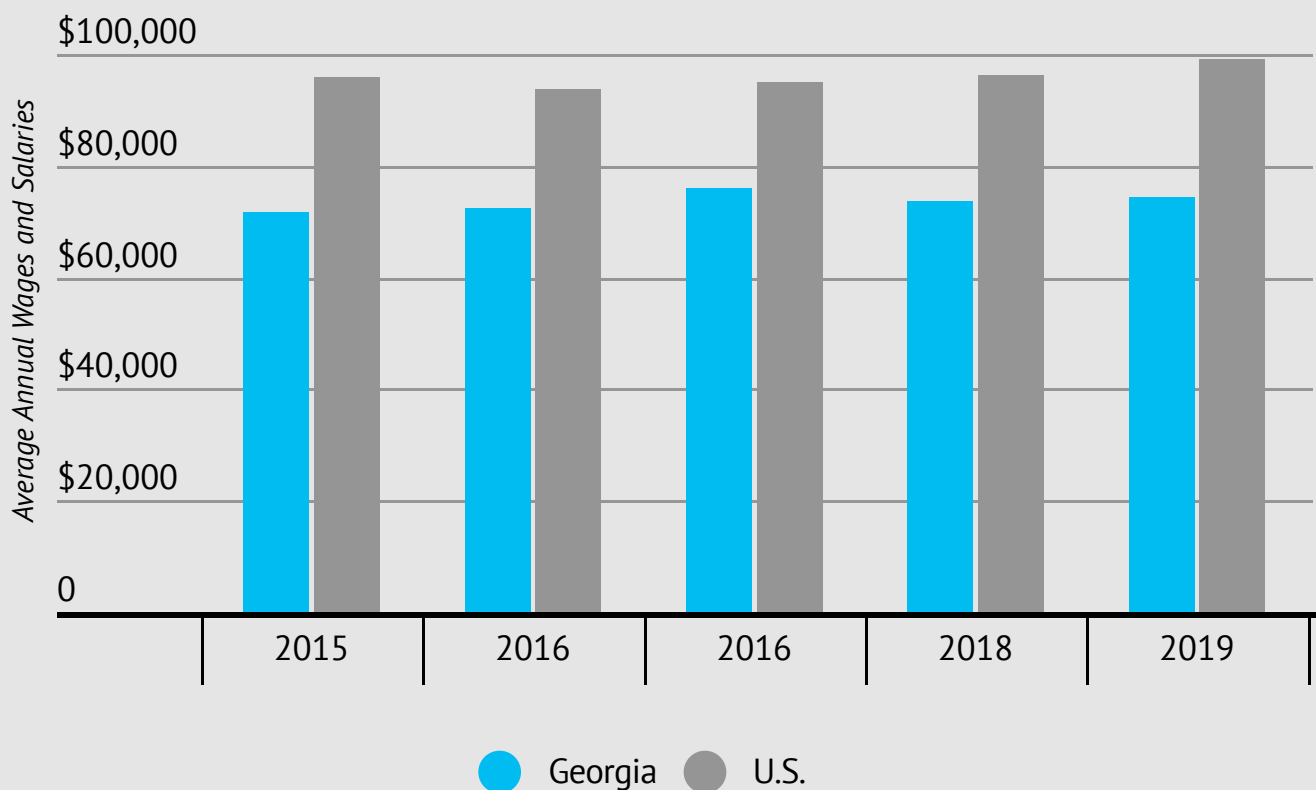
Quality Talent for Less

Georgia is known for its high-quality affordable workforce. Wage rates in the state typically fall below the national average, particularly in manufacturing occupations. The state's chemical manufacturing wages are no exception.

- Projected growth of 8% in chemical manufacturing industry workers over the next decade compared to 0% nationally
- Median hourly earnings of \$15.61 compared to \$17.40 nationally (based on top ten chemical industry staffing pattern occupations)

Georgia offers an ample supply of skilled employees with a variety of technical backgrounds. In addition to the 23,169 workers directly employed in chemical manufacturing, there are more than 640,000 Georgians with industry relevant skill-sets.

Chemical Manufacturing Wage Comparison, Georgia vs. the U.S.



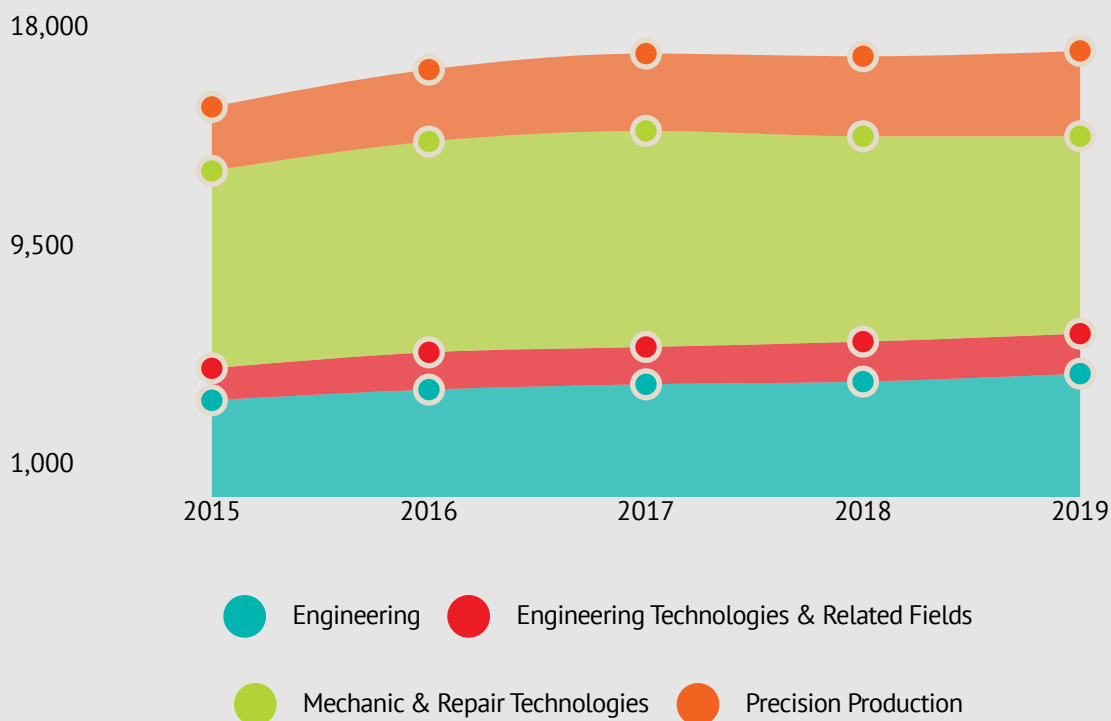
Source: EMSI 3rd Q 2020 (2019 latest year for data)

People and Support Needed to Succeed

Georgia's high concentration of degree-seeking students and top-tier colleges and universities make the state one of the country's richest in top-level talent. These institutions also offer companies access to cutting-edge research and development partnerships.

- Since 2015, there has been a 14% increase in the number of graduates skilled in supporting Georgia's chemical manufacturing operations.
- Georgia Tech ranks 2nd for engineering R&D funding nationally and has benefited from a 36% uptick in engineering R&D funding since 2010.
- Emory University is a top recipient of federally-funded medical research dollars, ranking among the top 15 universities nationwide.
- Other valuable partners in the state include: Centers for Disease Control & Prevention (CDC) and Georgia Tech's Manufacturing Institute (GTMI) and Center for Chemical Evolution

Post Secondary Completions at Georgia Colleges and Universities



Source: IPEDS Completions Data, EMSI 3rd Q 2020

About Georgia Power Community & Economic Development

Georgia Power has been helping companies locate in our state for more than 90 years. We offer a full array of products and services available at no cost. To receive confidential and proven assistance, please contact one of our experienced professionals:

| | | |
|--------------------|--------------|-------------------------|
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| Sarah Carnes | 404-506-2691 | sccarnes@southernco.com |
| Walt Farrell | 404-506-2243 | wffarrel@southernco.com |
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